In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No 1004-0135
Expires March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No
NMSF-078764

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

RECEIVED
JUN 28 2010
Bureau of Land Management
Farmington Field Office

7 If Unit or CA, Agreement Designation
Rosa Unit

1 Type of Well
Oil Well Gas Well X Other

8. Well Name and No
Rosa Unit 162C

2 Name of Operator
WILLIAMS PRODUCTION COMPANY

9 API Well No.
30-039-30719

3. Address and Telephone No.
PO Box 640 Aztec, NM 87410-0640

10. Field and Pool, or Exploratory Area
BLANCO MV/BASIN DK/BASIN MC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
935' FSL & 2200' FEL, T31N, R5W, Sec 30

11. County or Parish, State
Rio Arriba, New Mexico

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	X Other Mancos completion	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Williams Production drilled this well and completed the Dakota and Mesaverde formations in 2009. We now plan to return and complete the Mancos formation as per the attached procedure and perf plan.

RCVD JUN 30 '10
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Larry Higgins Title Permit Supervisor Date 6-28-10

Larry Higgins

(This space for Federal or State office use)

Approved by Original Signed: Stephen Mason Title _____ Date JUN 29 2010

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOCD

Rosa 162C Mancos Completion Plan

PROJECT OBJECTIVE:

This well will be a Commingled Completion of the Dakota, Mancos, and MesaVerde vertical wellbore.
The Dakota and Mesaverde intervals have been completed and produced for one year.
This completion will be for the Mancos interval. It is intended to vary the frac job type in order to improve well performance. This is a sciences project of the Denver Exploration Group.
Exceptions are the critical items noted next.

CRITICAL ITEM DISCUSSION:

This will be a green completion No reserve pit will be available so use a flowback tank for catching liquids.
It will be necessary to frac down a 3 ½" N-80 tubing work string below a packer to isolate the Mesaverde perfs.

1. PREPARATION:

1. Have 14 Frac Tanks filled with clean fresh water with 2% KCl (do not use produced water). Add biocide while filling.
2. MIRU Completion Unit. NDWH and NU BOPE. TOOH (stndng in derrick) w/ prod tbg – 225 jts? 2 3/8" J-55, EOT at 7983', "F" Nipple at 7952'.
3. MIRU Green Completion Unit.
4. Set CIBP above Dakota at 7600' and dump-bail cement on top.
5. TIH w/ pkr on prod tbg and set below Mesaverde perfs at apprx 6000' (btm MV perf at 5960'). Pressure test CIBP and TOOH LD Prod string.
6. RU perforating company and perforate Mancos formation 3 shots per location with a 3 3/8" select fire gun with a 10 gram charge for a .34 hole and 21" penetration. See Perforation Plan Sheet.
7. TIH w/ 3-1/2" N-80 workstring tbg and Packer. Set Packer at depth to be determined – see Perf sheet.
8. Load annulus with water (since MV is open it will not hold a full column of fluid).
9. Load tbg w/ 2% KCl wtr.
10. RU acid pumper and perform DFIT according to Halliburton Procedure.
11. At least one day prior to frac, have Halliburton set Mountain Mover (sand container) and load with sand. If possible have them also set the suction manifold to hook up the frac tanks.

2. FRAC MANCOS:

12 Frac Mancos according to Frac company proposal with 7000 psi max
13. Frac should be a hybrid design of slick water, linear gel, and complex gel and multiple sand sizes.
14. Flowback and test Mancos zone with Green completion unit down sales line.
15. Repeat procedure for second Mancos zone by TOOH with tbg and pkr and set a bridge plug
16. RU perforating company and perforate Mancos formation 3 shots per location with a 3 3/8" select fire gun with a 10 gram charge for a .34 hole and 21" penetration. See Perforation Plan Sheet.
17. TIH w/Pkr on 3 ½" workstring and repeat procedure.

Rosa Unit #162C
Well Completion Procedure

1. **CLEAN UP:**

1. When finished with last Mancos test, TOOH and LD 3 ½" work string.
2. PU bit and 2 7/8" N-80 work string and TIH and plug(s) between all Mancos zones tested.
3. Flowback and cleanup all Mancos together until formation quits making sand and load water decreases to an acceptable level.
4. Drillout CIBP above Dakota and push to PBTD.
5. Flowback and cleanup all zones together, gauge well, and obtain gas sample.
6. LD 2 7/8" N-80 work string and PU 2 3/8" J-55 production string w/ ½ Mule Shoe and SN Land near btm perf
7. ND BOP and NU WH.
8. Kick well off up the tubing and down the sales line through the Green Completion Unit.
9. Rig down and move to next well. Leave the Green Completion unit with the production team if necessary
10. Inspect location and notify Production Team Lead of anything that needs to be done to location (clean-up).

Pre-Job Planning: Notify BLM 24 hrs prior to moving in. Contact team lead to discuss job scope and logistics. Confirm all surface facilities are secure prior to MIRU. Review liner and tubular requirements with Ron Cochran.

Safety Reminders: Safe operations are very important at all Williams Production Company properties and facilities. To further this goal, the wellsite supervisor or rig tool pusher at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel present at the location shall attend these tailgate safety meetings. All parties shall review proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the Daily Report.

Hold daily safety meetings to discuss job scope and emergency response plans. If the procedure changes or critical tasks are involved revisit safety concerns before continuing work.

Smoking is not allowed except in areas designated by the wellsite supervisor or rig toolpusher. Hard hats and steel toed shoes will be worn on location. Personnel arriving on location shall check in with the wellsite supervisor or rig toolpusher.

EH&S Reminders: Fill out daily pit inspection report and email with Daily Completion Well Report

Pre-Job Planning and Notes: Notify Production Team Leader a minimum of 48 hours prior to commencing any work and after job is completed.

Lock-out and tag-out surface facilities per Williams E&P Safety Policy and Procedures

Ensure that rectifier for cathodic protection is turned off before any work is performed. Notify cathodic protection personnel after job is complete so cathodic protection can be re-activated.

Notify BLM 24 hours prior to moving in. Check rig anchors prior to moving on location. Confirm that the reserve pit is ready

Perforations Proposed	Rosa 162C	Drafted 6/4/10 by KDP	
Date Perforated			
Formation name	Mancos		Mancos
Interval Name	Olive		Black
Gross Interval			
Adjusted Gross Interval			
Stage	One		One
Service Company	BWWC		BWWC
Gun Type	HSC - Select Fire		HSC - Select Fire
Gun Size	3 3/8"		3 3/8"
Hole size Diameter	0.34"		0.34"
Penetration Depth	21"		21"
Gram Charge	10		10
Method Detail	3 shots per Location		3 shots per Location
Phasing	120 Degrees		120 Degrees
Number of locations	15		16
Number of Perforations	45		48

Hole location				
	7180	Olive 1	6835	Brown 1
	7190	Olive 1	6845	Brown 1
	7200	Olive 1		
			6875	Brown 2
	7215	Olive 2		
	7225	Olive 2	6945	Black 1
	7235	Olive 2	6955	Black 1
	7245	Olive 2	6965	Black 1
	7260	Olive 3	6990	Black 2
	7270	Olive 3	7000	Black 2
	7280	Olive 3		
	7290	Olive 3	7005	Black 3
	7300	Olive 3	7015	Black 3
	7310	Olive 3	7025	Black 3
	7320	Olive 3	7035	Black 3
			7045	Black 3
	7340	Olive 4	7055	Black 3
			7065	Black 3
			7075	Black 3